

MIRAI MR15-04 Radiosonde

Last Modified: 2018-01-13

ReadMe Observation Data Data Format

Cruise ID: [MR15-04](#)

Radiosonde: Processed (DMO)-Corrected

Data Policy: [JAMSTEC](#)

Observation Items: Atmospheric pressure, Air temperature, Dew point temperature, Relative humidity, Wind speed (zonal, meridional), Height

Science Keywords:

ATMOSPHERE > ATMOSPHERIC WATER VAPOR > DEW POINT TEMPERATURE
ATMOSPHERE > ATMOSPHERIC WATER VAPOR > HUMIDITY
ATMOSPHERE > ATMOSPHERIC TEMPERATURE > TEMPERATURE PROFILES
ATMOSPHERE > ATMOSPHERIC WINDS > UPPER LEVEL WINDS
ATMOSPHERE > ATMOSPHERIC WINDS > WIND PROFILES

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR15-04_all.pdf

For Using Data

Principal Investigator

Data Management Office

JAMSTEC / BPPT joint cruise in the Indonesian waters.

Use Constraints

See [Terms and Conditions](#) about constrain of use.

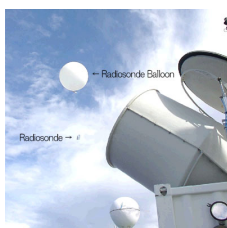
Data Citation

See [Terms and Conditions](#) about data citation.

Instrument

Instrument:

Radiosonde (MR15-01 -)



Correction method

· Correction of ship body warming

Temperature and dew point temperature data near the surface (4.5 hPa from ship deck) were corrected by linear extrapolation using upper layer data, since these data were affected by ship body warming (cooling) at daytime (nighttime). Details for data processing and correction can be found in [Yoneyama et al. \(2002\)](#).

Note

Information about each radiosonde data are listed in the following table. It contains corrected sounding data, launch time, position, sensor information and calibration results for atmospheric pressure, air temperature and relative humidity. Calibration is conducted for every sensor prior to launch. Therefore, even raw data take in this calibration result (however, RS41 sonde sensor has only one humidity sensor and is not necessary to calibrate temperature sensor). If the calibration result shows the positive value, it means that the calibrator showed the higher value than that of the sonde sensor. Filename of corrected data shows a sounding time (YYMMDDHH***, where YY=year, MM=month, DD=day, and HH=hour) in UTC.

Data file	Launch time (UTC)		Launch station		Sensor information			Calibration result				Note
	Date	Time	Latitude	Longitude	Type	Serial No.	Age	Atmospheric pressure [hPa]	Air temperature [deg-C]	Relative humidity1 [%]	Relative humidity2 [%]	
15111006.dat	2015/11/10	05:38	23.57N	136.76E	RS41-SGP	L2510462	148	0.55	N/A	0.4	N/A	
15111101.dat	2015/11/11	01:00	20.06N	135.18E	RS92-SGP	K4124439	400	-0.12	-0.10	-0.4	-0.4	
15111106.dat	2015/11/11	05:39	19.21N	134.81E	RS41-SGP	L2430227	154	0.59	N/A	0.2	N/A	
15111201.dat	2015/11/12	01:00	15.56N	133.22E	RS92-SGP	K4124172	401	-0.30	-0.22	-0.4	-0.4	
15112100.dat	2015/11/20	23:30	6.10S	101.00E	RS92-SGP	K4133240	408	-0.16	-0.37	-0.3	-0.3	
15112103.dat	2015/11/21	02:30	6.00S	101.00E	RS92-SGP	K4124171	410	-0.23	-0.18	-0.3	-0.3	
15112106.dat	2015/11/21	05:30	5.87S	101.07E	RS92-SGP	K3953534	421	-0.95	-0.16	-0.3	-0.3	
15112109.dat	2015/11/21	08:30	5.75S	101.14E	RS92-SGP	K4034583	416	-0.56	-0.19	-0.7	-0.7	
15112112.dat	2015/11/21	11:30	5.59S	101.21E	RS92-SGP	K4053368	414	0.86	-0.21	-0.4	-0.4	
15112115.dat	2015/11/21	14:30	5.42S	101.30E	RS92-SGP	K4123444	410	-0.65	-0.16	-0.3	-0.3	
15112120.dat	2015/11/21	20:30	5.13S	101.43E	RS92-SGP	K4124418	410	-0.65	-0.10	-0.4	-0.4	Rain, Max;2645m
15112121.dat	2015/11/21	20:59	5.08S	101.46E	RS92-SGP	K4124156	410	-0.76	-0.15	-0.5	-0.5	Rain
15112200.dat	2015/11/21	23:32	4.97S	101.53E	RS92-SGP	K4124165	410	-0.34	-0.12	-0.3	-0.3	
15112203.dat	2015/11/22	02:30	4.84S	101.59E	RS92-SGP	K4033912	417	-0.67	-0.19	-0.3	-0.3	
15112206.dat	2015/11/22	05:15	4.69S	101.66E	RS92-SGP	K4124412	411	-0.33	-0.11	-0.1	-0.2	
15112209.dat	2015/11/22	08:15	4.54S	101.73E	RS92-SGP	K4124468	411	-0.47	-0.09	-0.2	-0.3	
15112212.dat	2015/11/22	11:30	4.39S	101.81E	RS92-SGP	K4124447	411	-0.36	-0.13	-0.2	-0.2	
15112215.dat	2015/11/22	14:31	4.25S	101.88E	RS92-SGP	K4123678	411	0.21	-0.21	-0.2	-0.3	Rain
15112218.dat	2015/11/22	17:30	4.08S	101.96E	RS92-SGP	K4113505	412	-0.50	-0.13	-0.2	-0.2	

	Launch time (UTC)	Launch station	Sensor information		Calibration result							
File Name	Date	Time	Latitude	Longitude	Type	Serial No.	Age	Atmospheric pressure	Air temperature	Relative humidity1	Relative humidity2	Note
15112201.dat	2015/11/22	23:42	4.03S	101.89E	RS92-SGP	K4124183	411	-0.27	-0.15	-0.3	-0.3	
15112303.dat	2015/11/23	02:31	4.00S	101.82E	RS92-SGP	K4124158	412	-0.12	-0.13	-0.3	-0.3	
15112306.dat	2015/11/23	05:31	4.07S	101.91E	RS92-SGP	K4123438	412	-0.29	-0.18	-0.3	-0.3	
15112309.dat	2015/11/23	08:30	4.08S	101.90E	RS92-SGP	K4123437	412	-0.39	-0.13	-0.2	-0.2	
15112312.dat	2015/11/23	11:30	4.09S	101.90E	RS92-SGP	K4124460	412	-0.19	-0.16	-0.1	-0.1	Rain
15112315.dat	2015/11/23	14:30	4.09S	101.89E	RS92-SGP	K4123677	412	0.47	-0.22	-0.2	-0.2	
15112318.dat	2015/11/23	17:30	4.06S	101.89E	RS92-SGP	K4053350	416	0.22	-0.05	-0.2	-0.2	
15112321.dat	2015/11/23	20:30	4.07S	101.87E	RS92-SGP	K4124466	412	-0.96	-0.11	-0.1	-0.2	
15112400.dat	2015/11/23	23:30	4.09S	101.89E	RS92-SGP	L2533021	159	-0.49	-0.12	0.1	-0.1	
15112403.dat	2015/11/24	02:30	4.04S	101.88E	RS92-SGP	L2443782	166	-0.05	-0.07	-0.1	-0.2	
15112406.dat	2015/11/24	05:31	4.06S	101.87E	RS92-SGP	L2443580	166	-0.30	-0.11	-0.1	-0.1	Max;508m
15112409.dat	2015/11/24	08:30	4.05S	101.89E	RS92-SGP	L2443803	166	-0.97	-0.14	0.0	0.0	Rain
15112412.dat	2015/11/24	11:31	4.06S	101.89E	RS92-SGP	L2443780	166	-0.36	-0.09	0.0	0.0	
15112415.dat	2015/11/24	14:30	4.06S	101.88E	RS92-SGP	L2433846	167	-1.51	-0.15	-0.1	-0.1	Rain
15112418.dat	2015/11/24	17:29	4.04S	101.90E	RS92-SGP	L2443806	166	-0.47	-0.14	0.0	0.0	
15112421.dat	2015/11/24	20:30	4.05S	101.88E	RS92-SGP	L2443793	166	-0.75	-0.15	0.0	0.0	Max;8654m
15112500.dat	2015/11/24	23:30	4.06S	101.89E	RS92-SGP	L2443818	166	-0.76	-0.18	0.0	0.0	
15112503.dat	2015/11/25	02:29	4.06S	101.90E	RS92-SGP	L2533860	161	-0.28	-0.01	-0.1	-0.2	
15112506.dat	2015/11/25	05:30	4.05S	101.90E	RS92-SGP	L2443786	167	-0.52	-0.12	0.0	0.0	
15112509.dat	2015/11/25	08:30	4.06S	101.90E	RS92-SGP	L2443787	167	-0.41	-0.14	0.0	0.0	
15112512.dat	2015/11/25	11:30	4.07S	101.89E	RS92-SGP	L2443797	167	-0.90	-0.12	0.1	0.0	
15112515.dat	2015/11/25	14:22	4.07S	101.89E	RS92-SGP	L2443811	167	-0.82	-0.15	0.0	-0.1	
15112518.dat	2015/11/25	18:07	4.05S	101.89E	RS92-SGP	L2443802	167	-0.97	-0.02	0.1	0.0	
15112521.dat	2015/11/25	20:30	4.06S	101.91E	RS92-SGP	L2443586	167	-0.54	-0.10	-0.1	-0.1	
15112600.dat	2015/11/25	23:29	4.07S	101.88E	RS92-SGP	L2443785	167	-0.50	-0.10	-0.1	-0.2	
15112603.dat	2015/11/26	02:30	4.06S	101.90E	RS92-SGP	L2443790	168	-0.43	-0.09	-0.1	-0.2	Rain, Max;5309m
15112606.dat	2015/11/26	05:30	4.05S	101.90E	RS92-SGP	L2346048	175	-0.62	-0.13	-0.1	-0.2	
15112609.dat	2015/11/26	08:30	4.07S	101.90E	RS92-SGP	L2443791	168	-0.15	-0.11	0.0	0.0	
15112612.dat	2015/11/26	11:30	4.07S	101.90E	RS92-SGP	L2443788	168	-0.85	-0.08	0.0	-0.1	
15112615.dat	2015/11/26	14:30	4.04S	101.91E	RS92-SGP	L2443783	168	-0.50	-0.09	0.0	-0.1	
15112618.dat	2015/11/26	17:25	4.05S	101.90E	RS92-SGP	L2443789	168	-0.36	-0.13	0.0	0.0	
15112621.dat	2015/11/26	20:30	4.06S	101.90E	RS92-SGP	L2443805	168	-0.68	-0.16	0.0	-0.1	Rain
15112700.dat	2015/11/26	23:31	4.07S	101.89E	RS92-SGP	L2533017	162	0.04	-0.12	-0.2	-0.2	
15112703.dat	2015/11/27	02:30	4.09S	101.90E	RS92-SGP	L2533850	163	-0.33	-0.12	-0.2	-0.2	Drizzle
15112706.dat	2015/11/27	05:30	4.09S	101.90E	RS92-SGP	L2443830	169	-0.98	-0.12	0.0	0.0	
15112709.dat	2015/11/27	08:30	4.07S	101.90E	RS92-SGP	L2443814	169	-0.63	-0.15	0.0	0.0	Drizzle
15112712.dat	2015/11/27	11:31	4.08S	101.89E	RS92-SGP	L2433863	170	-1.48	-0.18	-0.1	-0.2	
15112715.dat	2015/11/27	14:30	4.04S	101.93E	RS92-SGP	L2344339	176	-0.55	-0.11	-0.2	-0.2	
15112718.dat	2015/11/27	17:30	4.05S	101.90E	RS92-SGP	L2443812	169	-0.85	-0.16	0.0	0.1	
15112721.dat	2015/11/27	20:30	4.06S	101.89E	RS92-SGP	L2414050	172	-0.31	-0.12	-0.1	-0.1	
15112800.dat	2015/11/27	23:30	4.06S	101.89E	RS92-SGP	L2346031	176	-1.02	-0.16	-0.1	-0.1	
15112803.dat	2015/11/28	02:30	4.06S	101.91E	RS92-SGP	L2443900	170	-0.58	-0.09	-0.1	0.0	
15112806.dat	2015/11/28	05:30	4.07S	101.90E	RS92-SGP	L2433853	171	-1.33	-0.20	-0.1	-0.2	
15112809.dat	2015/11/28	08:31	4.06S	101.89E	RS92-SGP	L2346038	177	-0.87	-0.11	0.0	-0.1	
15112812.dat	2015/11/28	11:30	4.07S	101.87E	RS92-SGP	L2443585	170	-0.21	-0.08	0.0	-0.1	Rain
15112815.dat	2015/11/28	14:30	4.04S	101.90E	RS92-SGP	L2533006	164	-0.67	-0.10	-0.1	-0.1	
15112818.dat	2015/11/28	17:30	4.08S	101.90E	RS92-SGP	L2443808	170	-0.99	-0.17	0.0	0.0	Rain
15112821.dat	2015/11/28	20:30	4.05S	101.91E	RS92-SGP	L2344329	177	-0.43	-0.14	-0.2	-0.2	Rain
15112900.dat	2015/11/28	23:30	4.07S	101.89E	RS92-SGP	L2346039	177	-1.05	-0.14	-0.1	-0.2	
15112903.dat	2015/11/29	02:30	4.05S	101.90E	RS92-SGP	L2346035	178	-0.89	-0.13	-0.2	-0.2	
15112906.dat	2015/11/29	05:30	4.07S	101.90E	RS92-SGP	L2346012	178	-0.81	-0.05	-0.2	-0.1	
15112909.dat	2015/11/29	08:30	4.06S	101.89E	RS92-SGP	L2533704	165	-0.72	-0.11	0.0	0.0	
15112912.dat	2015/11/29	11:30	4.06S	101.88E	RS92-SGP	L2533011	165	-0.60	-0.19	-0.1	-0.1	Drizzle
15112915.dat	2015/11/29	14:31	4.08S	101.89E	RS92-SGP	L2533424	165	-0.83	-0.15	-0.1	-0.1	Rain
15112918.dat	2015/11/29	17:20	4.06S	101.90E	RS92-SGP	L2346019	178	-0.63	-0.21	-0.1	-0.1	Rain
15112921.dat	2015/11/29	20:30	4.06S	101.92E	RS92-SGP	L2443070	171	-0.57	-0.09	-0.1	-0.1	Drizzle
15113000.dat	2015/11/29	23:30	4.07S	101.88E	RS92-SGP	L2533844	165	-0.62	-0.11	-0.1	-0.1	
15113003.dat	2015/11/30	02:30	4.06S	101.90E	RS92-SGP	L2533843	166	-0.57	-0.10	-0.1	-0.2	
15113006.dat	2015/11/30	05:30	4.08S	101.89E	RS92-SGP	L2533007	166	-0.30	-0.04	-0.1	-0.1	
15113009.dat	2015/11/30	08:29	4.08S	101.88E	RS41-SGP	L2520221	167	1.12	N/A	0.2	N/A	
15113012.dat	2015/11/30	11:30	4.07S	101.89E	RS92-SGP	L2533700	166	-0.41	-0.04	0.0	-0.1	
15113015.dat	2015/11/30	14:30	4.10S	101.90E	RS92-SGP	L2533004	166	-0.65	-0.10	-0.1	-0.1	
15113018.dat	2015/11/30	17:30	4.08S	101.90E	RS92-SGP	L2414056	175	-0.62	-0.02	-0.1	-0.1	
15113021.dat	2015/11/30	20:30	4.08S	101.88E	RS92-SGP	L2346037	179	-1.03	-0.16	-0.1	-0.1	
15120100.dat	2015/11/30	23:30	4.07S	101.89E	RS92-SGP	L2346016	179	-0.72	-0.19	0.0	0.0	
15120103.dat	2015/12/01	02:30	4.06S	101.90E	RS92-SGP	L2346033	180	-0.72	-0.15	-0.1	-0.2	
15120106.dat	2015/12/01	05:30	4.05S	101.89E	RS41-SGP	L2520219	168	1.02	N/A	0.2	N/A	
15120109.dat	2015/12/01	08:30	4.05S	101.89E	RS92-SGP	L2346030	180	-0.94	-0.18	0.0	0.0	
15120112.dat	2015/12/01	11:30	4.08S	101.88E	RS92-SGP	L2346007	180	-0.59	-0.10	0.0	0.0	Rain
15120115.dat	2015/12/01	14:25	4.07S	101.88E	RS92-SGP	L2346008	180	-0.53	-0.09	0.0	0.0	Rain
15120118.dat	2015/12/01	17:30	4.05S	101.89E	RS92-SGP	L2533409	167	-1.00	-0.05	-0.1	-0.1	
15120121.dat	2015/12/01	20:30	4.06S	101.89E	RS92-SGP	L2533010	167	-0.62	-0.13	-0.1	-0.1	

15120121.dat	Launch time (UTC)	4.06S	101.90E	Sensor information	L2533010	167	-0.92	-0.13	-0.1	-0.1	
15120200.dat	2015/12/01 23:30	4.07S	101.91E	RS92-SGP	L2533005	167	-0.74	-0.11	-0.1	-0.2	
Data file	2015/12/02 02:30	4.06S	101.91E	RS92-SGP	L2533012	168	-0.51	-0.13	-0.1	-0.1	
15120203.dat	2015/12/02 02:30	4.06S	101.91E	RS92-SGP	L2533012	168	-0.51	-0.13	-0.1	-0.1	
15120206.dat	2015/12/02 05:30	4.05S	101.90E	RS92-SGP	L2533003	168	-0.74[hPa]	-0.06[C]	-0.1 [%]	-0.1 [%]	
15120209.dat	2015/12/02 08:30	4.06S	101.89E	RS92-SGP	L2433942	175	-0.89	-0.13	-0.1	-0.1	
15120212.dat	2015/12/02 11:30	4.06S	101.88E	RS92-SGP	L2533019	168	-0.42	-0.07	-0.1	-0.1	
15120215.dat	2015/12/02 14:30	4.05S	101.91E	RS92-SGP	L2533835	168	-0.19	-0.12	-0.1	-0.1	Rain
15120218.dat	2015/12/02 17:30	4.05S	101.90E	RS92-SGP	L2533022	168	-1.01	-0.07	-0.2	-0.1	Drizzle
15120221.dat	2015/12/02 20:30	4.05S	101.91E	RS92-SGP	L2344348	181	-0.65	-0.13	-0.3	-0.3	
15120300.dat	2015/12/02 23:30	4.06S	101.89E	RS92-SGP	L2344354	181	-0.53	-0.10	-0.4	-0.3	
15120303.dat	2015/12/03 02:36	4.05S	101.89E	RS92-SGP	L2533841	169	-0.56	-0.12	-0.1	-0.2	
15120306.dat	2015/12/03 05:29	4.07S	101.89E	RS41-SGP	L2520173	170	1.14	N/A	0.3	N/A	
15120309.dat	2015/12/03 08:30	4.05S	101.90E	RS92-SGP	L2533849	169	-0.63	-0.11	0.0	0.0	
15120312.dat	2015/12/03 11:30	4.06S	101.90E	RS92-SGP	L2533833	169	-0.67	-0.22	0.0	0.0	
15120315.dat	2015/12/03 14:30	4.04S	101.89E	RS92-SGP	L2533842	169	-0.46	-0.17	-0.5	0.0	Rain, Max;7559m
15120318.dat	2015/12/03 17:29	4.04S	101.90E	RS92-SGP	L2533008	169	-0.68	-0.04	-0.1	-0.1	Drizzle
15120321.dat	2015/12/03 20:30	4.06S	101.93E	RS92-SGP	L2414041	178	-0.37	-0.09	-0.1	-0.1	
15120400.dat	2015/12/03 23:30	4.06S	101.89E	RS92-SGP	L2346024	182	-0.76	-0.17	0.0	0.0	
15120403.dat	2015/12/04 02:31	4.04S	101.89E	RS92-SGP	L2533402	170	-0.82	-0.20	-0.1	-0.1	
15120406.dat	2015/12/04 05:30	4.05S	101.90E	RS92-SGP	L2344323	183	-0.48	-0.16	-0.1	-0.1	
15120409.dat	2015/12/04 08:30	4.07S	101.90E	RS92-SGP	L2433866	177	-0.76	-0.26	-0.1	-0.1	
15120412.dat	2015/12/04 11:30	4.07S	101.89E	RS92-SGP	L2533405	170	-0.52	-0.19	-0.1	-0.1	
15120415.dat	2015/12/04 14:30	4.09S	101.89E	RS92-SGP	L2346027	183	-0.71	-0.17	-0.1	-0.1	
15120418.dat	2015/12/04 17:20	4.06S	101.89E	RS92-SGP	L2346003	183	-0.54	-0.19	0.0	0.0	
15120421.dat	2015/12/04 20:30	4.08S	101.90E	RS92-SGP	L2346026	183	-0.91	-0.11	-0.8	-0.8	Max;6705m
15120500.dat	2015/12/04 23:30	4.06S	101.89E	RS92-SGP	L2533417	170	-0.93	-0.11	-0.3	-0.3	Rain
15120503.dat	2015/12/05 02:30	4.07S	101.88E	RS41-SGP	L2430253	178	0.93	N/A	0.3	N/A	
15120506.dat	2015/12/05 05:30	4.07S	101.88E	RS92-SGP	L2533404	171	-0.65	-0.15	0.0	0.0	
15120509.dat	2015/12/05 08:30	4.06S	101.89E	RS92-SGP	L2344356	184	-0.19	-0.14	-0.2	-0.3	
15120512.dat	2015/12/05 11:31	4.06S	101.90E	RS92-SGP	L2346022	184	-0.46	-0.18	-0.1	-0.1	
15120515.dat	2015/12/05 14:25	4.06S	101.90E	RS92-SGP	L2533408	171	-0.55	-0.17	-0.1	-0.1	Rain
15120518.dat	2015/12/05 17:45	4.09S	101.89E	RS41-SGP	L2430226	178	1.11	N/A	0.3	N/A	Drizzle
15120521.dat	2015/12/05 20:30	4.06S	101.91E	RS92-SGP	L2343148	184	-1.94	-0.16	-0.1	-0.1	
15120600.dat	2015/12/05 23:30	4.06S	101.89E	RS92-SGP	L2343784	184	-0.79	-0.08	0.1	0.1	
15120603.dat	2015/12/06 02:30	4.07S	101.92E	RS92-SGP	L2415215	181	-1.23	-0.15	0.0	-0.1	
15120606.dat	2015/12/06 05:30	4.07S	101.90E	RS92-SGP	L2433834	179	-1.28	-0.16	0.0	0.0	
15120609.dat	2015/12/06 08:30	4.05S	101.90E	RS92-SGP	L2344313	185	-0.54	-0.14	-0.1	-0.1	
15120612.dat	2015/12/06 11:30	4.07S	101.89E	RS92-SGP	L2453695	177	-0.78	-0.12	-0.4	-0.4	
15120615.dat	2015/12/06 14:30	4.08S	101.90E	RS92-SGP	L2453703	177	-1.11	-0.11	-0.3	-0.3	
15120618.dat	2015/12/06 17:30	4.07S	101.90E	RS92-SGP	L2453693	177	-1.15	-0.10	-0.4	-0.2	Rain
15120621.dat	2015/12/06 20:26	4.07S	101.91E	RS41-SGP	L2520222	173	0.97	N/A	0.3	N/A	
15120700.dat	2015/12/06 23:30	4.06S	101.89E	RS92-SGP	L2433861	179	-1.50	-0.16	-0.3	0.0	
15120703.dat	2015/12/07 02:30	4.07S	101.89E	RS92-SGP	L2414079	182	-0.17	-0.10	0.0	-0.1	
15120706.dat	2015/12/07 05:30	4.06S	101.90E	RS92-SGP	L2533418	173	-0.62	-0.12	0.0	0.0	
15120709.dat	2015/12/07 08:30	4.08S	101.87E	RS92-SGP	L2346032	186	-0.51	-0.17	0.0	0.0	
15120712.dat	2015/12/07 11:30	4.09S	101.88E	RS92-SGP	L2414034	182	-0.27	-0.18	-0.1	0.0	Drizzle
15120715.dat	2015/12/07 14:30	4.07S	101.89E	RS92-SGP	L2344324	186	-0.58	-0.17	-0.1	-0.1	Drizzle
15120717.dat	2015/12/07 17:24	4.07S	101.87E	RS92-SGP	L2533403	173	-0.70	-0.21	0.0	0.0	Rain, Max;4516m
15120718.dat	2015/12/07 18:02	4.08S	101.89E	RS92-SGP	L2433847	180	-1.28	-0.15	-0.1	-0.1	Rain, Max;332m
15120721.dat	2015/12/07 20:29	4.06S	101.93E	RS92-SGP	L2433864	180	-0.88	-0.16	-0.1	-0.1	Rain, Max;5398m
15120800.dat	2015/12/07 23:30	4.08S	101.88E	RS92-SGP	L2415232	182	-0.81	-0.16	0.0	-0.1	Drizzle
15120803.dat	2015/12/08 02:30	4.09S	101.89E	RS92-SGP	L2344333	187	-0.49	-0.18	-0.2	-0.2	
15120806.dat	2015/12/08 05:30	4.06S	101.90E	RS92-SGP	L2344306	187	-0.67	-0.13	-0.1	-0.1	
15120809.dat	2015/12/08 08:30	4.09S	101.89E	RS92-SGP	L2433849	181	-1.21	-0.15	0.0	0.0	
15120812.dat	2015/12/08 11:30	4.08S	101.89E	RS92-SGP	L2344355	187	-0.36	-0.12	-0.2	-0.2	
15120815.dat	2015/12/08 14:29	4.08S	101.89E	RS41-SGP	L2520217	175	0.89	N/A	0.2	N/A	
15120818.dat	2015/12/08 17:30	4.06S	101.89E	RS92-SGP	L2344345	187	-0.80	-0.14	-0.3	-0.3	
15120821.dat	2015/12/08 20:30	4.04S	101.90E	RS92-SGP	L2346004	187	-0.92	-0.05	0.1	0.1	
15120900.dat	2015/12/08 23:30	4.08S	101.88E	RS92-SGP	L2533415	174	-0.31	-0.08	0.0	-0.1	
15120903.dat	2015/12/09 02:28	4.05S	101.89E	RS41-SGP	L2520218	176	1.03	N/A	0.2	N/A	
15120906.dat	2015/12/09 05:29	4.08S	101.88E	RS92-SGP	L2533419	175	-0.39	-0.22	0.0	0.0	Drizzle
15120909.dat	2015/12/09 08:30	4.09S	101.89E	RS92-SGP	L2533406	175	-0.57	-0.11	0.0	0.0	
15120912.dat	2015/12/09 11:30	4.06S	101.89E	RS92-SGP	L2414058	184	-0.31	-0.17	0.0	0.0	
15120915.dat	2015/12/09 14:30	4.08S	101.90E	RS92-SGP	L2453694	180	-1.09	-0.18	-0.3	-0.3	
15120918.dat	2015/12/09 17:28	4.06S	101.91E	RS92-SGP	L2346005	188	-1.01	-0.15	0.0	0.0	
15120921.dat	2015/12/09 20:30	4.05S	101.92E	RS92-SGP	L2344338	188	-0.12	-0.10	-0.1	-0.2	
15121000.dat	2015/12/09 23:30	4.06S	101.89E	RS92-SGP	L2433838	182	-1.61	-0.07	-0.1	-0.1	
15121003.dat	2015/12/10 02:30	4.08S	101.88E	RS92-SGP	L2453698	181	-1.06	-0.09	-0.4	-0.4	Drizzle
15121006.dat	2015/12/10 05:30	4.07S	101.88E	RS92-SGP	L2344341	189	-0.64	-0.18	-0.1	0.0	
15121009.dat	2015/12/10 08:30	4.06S	101.88E	RS92-SGP	L2346028	189	-0.93	-0.12	0.0	0.0	
15121012.dat	2015/12/10 11:25	4.07S	101.88E	RS92-SGP	L2433860	183	-1.50	-0.17	-0.1	-0.1	Rain, Max;6571m
15121015.dat	2015/12/10 14:26	4.05S	101.90E	RS92-SGP	L2344332	189	-0.48	-0.18	-0.2	-0.2	Rain
15121018.dat	2015/12/10 17:27	4.04S	101.89E	RS41-SGP	L2430251	183	1.12	N/A	0.3	N/A	

15121021.dat	2015/12/11	20:30	4.06S	101.88E	RS92-SGP	L2433857	189	-0.32	-0.14	0.0	-0.2	
15121100.dat	2015/12/10	23:30	4.06S	101.89E	RS92-SGP	L2433857	183	-0.73	-0.14	0.0	-0.2	
15121103.dat	2015/12/11	02:30	4.06S	101.88E	RS92-SGP	L2344346	190	-0.73	-0.07	-0.3	-0.3	
15121106.dat	2015/12/11	05:30	4.06S	101.88E	RS92-SGP	L2433837	184	-1.47	-0.03	0.0	0.0	
15121109.dat	2015/12/11	08:30	4.07S	101.87E	RS92-SGP	L2433854	184	-1.13	-0.15	0.0	0.0	
15121112.dat	2015/12/11	11:30	4.08S	101.88E	RS92-SGP	L2344320	190	-0.22	-0.17	-0.1	-0.1	Drizzle
15121115.dat	2015/12/11	14:20	4.05S	101.87E	RS41-SGP	L2430323	184	0.96	N/A	0.2	N/A	Rain
15121118.dat	2015/12/11	17:28	4.06S	101.90E	RS92-SGP	L2223525	199	-0.55	-0.12	0.1	1.0	
15121121.dat	2015/12/11	20:30	4.04S	101.91E	RS92-SGP	L2433843	184	-1.23	-0.16	-0.1	-0.1	
15121200.dat	2015/12/11	23:30	4.06S	101.89E	RS92-SGP	L2415238	186	-0.73	-0.18	-0.1	-0.1	Rain
15121203.dat	2015/12/12	02:30	4.06S	101.91E	RS92-SGP	L2453702	183	-0.98	-0.15	-1.1	-0.5	
15121206.dat	2015/12/12	05:30	4.05S	101.89E	RS92-SGP	L2415216	187	-0.33	-0.20	0.0	0.0	
15121209.dat	2015/12/12	08:30	4.07S	101.90E	RS92-SGP	L2453699	183	-0.64	-0.11	-0.4	-0.4	Drizzle
15121212.dat	2015/12/12	11:30	4.06S	101.90E	RS92-SGP	L2453701	183	-0.67	-0.16	-0.4	-0.4	
15121215.dat	2015/12/12	14:30	4.08S	101.89E	RS92-SGP	L2453704	183	-0.92	-0.14	-0.4	-0.4	
15121218.dat	2015/12/12	17:21	4.05S	101.89E	RS92-SGP	L2433848	185	-1.59	-0.18	-0.2	-0.2	Rain, Max;4759m
15121221.dat	2015/12/12	20:29	4.05S	101.89E	RS92-SGP	L2344358	191	-0.45	-0.10	-0.3	-0.2	
15121300.dat	2015/12/12	23:30	4.05S	101.89E	RS92-SGP	L2453700	183	-0.94	-0.17	-0.4	-0.4	
15121303.dat	2015/12/13	02:29	4.06S	101.89E	RS92-SGP	L2344331	192	-0.41	-0.18	-0.4	-0.4	
15121306.dat	2015/12/13	05:29	4.06S	101.90E	RS92-SGP	L2433839	186	-1.53	-0.16	-0.1	-0.2	Drizzle
15121309.dat	2015/12/13	08:30	4.06S	101.90E	RS92-SGP	L2344321	192	-0.66	-0.14	-0.3	-0.3	
15121312.dat	2015/12/13	11:29	4.06S	101.89E	RS92-SGP	L2433858	186	-1.28	-0.16	-0.2	-0.2	
15121315.dat	2015/12/13	14:30	4.06S	101.89E	RS92-SGP	L2433852	186	-1.41	-0.19	-0.2	-0.1	Drizzle
15121318.dat	2015/12/13	17:31	4.05S	101.89E	RS92-SGP	L2344317	192	-0.37	-0.21	-0.3	-0.3	
15121321.dat	2015/12/13	20:28	4.06S	101.89E	RS41-SGP	L2520192	180	1.03	N/A	0.2	N/A	
15121400.dat	2015/12/13	23:30	4.06S	101.90E	RS92-SGP	L2433845	186	-1.32	-0.13	-0.1	-0.2	
15121403.dat	2015/12/14	02:30	4.06S	101.90E	RS92-SGP	L2433862	187	-1.15	-0.14	-0.3	-0.3	Drizzle
15121406.dat	2015/12/14	05:29	4.05S	101.90E	RS92-SGP	L2533411	180	-0.90	-0.09	-0.1	-0.1	Max;5829m
15121409.dat	2015/12/14	08:30	4.05S	101.89E	RS92-SGP	L2346009	193	1.90	-0.24	-0.4	-0.4	
15121412.dat	2015/12/14	11:23	4.06S	101.89E	RS92-SGP	L2414349	189	-1.08	-0.08	0.0	-1.9	Rain
15121415.dat	2015/12/14	14:30	4.04S	101.90E	RS92-SGP	L2346047	193	-0.79	-0.13	-0.1	-0.1	Drizzle
15121418.dat	2015/12/14	17:30	4.05S	101.88E	RS92-SGP	L2346002	193	-0.96	-0.08	-0.1	-0.2	Drizzle
15121421.dat	2015/12/14	20:30	4.06S	101.88E	RS92-SGP	L2414042	189	-0.90	-0.12	-0.1	-0.2	Drizzle
15121500.dat	2015/12/14	23:31	4.05S	101.88E	RS92-SGP	L2346011	193	-0.44	-0.22	-0.1	-0.1	Rain
15121503.dat	2015/12/15	02:29	4.05S	101.90E	RS92-SGP	L2533423	181	-0.70	-0.12	-0.2	-0.2	
15121506.dat	2015/12/15	05:28	4.05S	101.90E	RS41-SGP	L2520191	182	0.86	N/A	0.3	N/A	
15121509.dat	2015/12/15	08:30	4.07S	101.89E	RS92-SGP	L2346006	194	-0.78	-0.12	0.0	0.0	
15121512.dat	2015/12/15	11:15	4.06S	101.90E	RS92-SGP	L2344305	194	-0.50	-0.09	-0.2	-0.2	
15121515.dat	2015/12/15	14:28	4.04S	101.92E	RS92-SGP	L2346046	194	-0.79	-0.05	-0.1	-0.1	Rain
15121518.dat	2015/12/15	17:15	4.09S	101.92E	RS92-SGP	L2346021	194	-1.14	-0.15	0.0	-0.2	Rain, Max;5178m
15121521.dat	2015/12/15	20:25	4.07S	101.89E	RS92-SGP	L2433850	188	-1.16	-0.12	-0.1	-0.1	
15121600.dat	2015/12/15	23:26	4.06S	101.89E	RS92-SGP	L2346013	194	-0.96	-0.13	0.0	0.0	
15121603.dat	2015/12/16	02:50	4.06S	101.89E	RS41-SGP	L2520308	183	1.14	N/A	0.2	N/A	Rain, Max;4803m
15121606.dat	2015/12/16	05:28	4.06S	101.90E	RS92-SGP	L2346034	195	-0.75	-0.16	-0.1	-0.3	Rain
15121609.dat	2015/12/16	08:30	4.06S	101.90E	RS92-SGP	L2533399	182	-0.87	-0.14	-0.1	-0.2	
15121612.dat	2015/12/16	11:30	4.06S	101.89E	RS92-SGP	L2414054	191	-0.11	-0.14	0.0	0.1	Drizzle
15121615.dat	2015/12/16	14:22	4.06S	101.89E	RS41-SGP	L2520170	183	0.92	N/A	0.3	N/A	Drizzle
15121618.dat	2015/12/16	17:30	4.05S	101.90E	RS92-SGP	L2533416	182	-0.14	-0.12	-0.1	-0.1	
15121621.dat	2015/12/16	20:30	4.07S	101.89E	RS92-SGP	L2344342	195	-0.84	-0.17	-0.3	-0.3	
15121700.dat	2015/12/16	23:30	4.06S	101.89E	RS92-SGP	L2346042	195	-0.76	-0.21	-0.1	0.0	
15121703.dat	2015/12/17	02:30	4.06S	101.89E	RS92-SGP	L2414062	192	-0.16	-0.07	-0.3	-0.3	
15121706.dat	2015/12/17	05:28	4.05S	101.90E	RS41-SGP	L2520169	184	1.02	N/A	0.4	N/A	
15121709.dat	2015/12/17	08:30	4.06S	101.89E	RS92-SGP	L2533016	183	-0.24	-0.01	0.0	-0.1	
15121712.dat	2015/12/17	11:30	4.06S	101.89E	RS92-SGP	L2533857	183	-0.59	-0.08	-0.1	-0.1	
15121715.dat	2015/12/17	14:30	4.18S	101.91E	RS92-SGP	L2443819	189	-0.72	-0.14	0.0	0.0	
15121718.dat	2015/12/17	17:30	4.67S	101.66E	RS92-SGP	L2443776	189	-0.55	0.03	-0.2	-0.2	
15121721.dat	2015/12/17	20:27	5.17S	101.41E	RS41-SGP	L2520171	184	1.12	N/A	0.2	N/A	
15121800.dat	2015/12/17	23:37	5.69S	101.15E	RS92-SGP	L2443807	189	-0.94	-0.19	-0.1	0.0	Rain

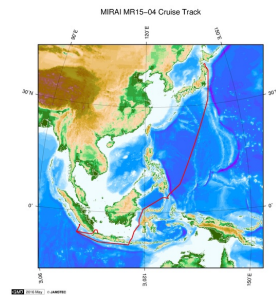
Reference

K. Yoneyama, M.Hanyu, S.Sueyoshi, F.Yoshiura, and M.Katsumata, 2002:Radiosonde observation from the ship in the tropical region.[PDF:400kbyte]
JAMSTECR, Vol.45, 31-39.

Others

- Main processor: DigiCORA, MW41(after 2015 Jun.) [VAISALA, Finland]
- Launcher Location: 22m (from base line)

Related Information



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MR15-04

Ship Name: MIRAI

Period: 2015-11-05 - 2015-12-20

Chief Scientist: Masaki Katsumata (JAMSTEC)

Proposal ▶ Observational study of the heavy rain zone in the tropical eastern Indian ocean

Title:

Update History

2018-01-13	An observation data was registered.
2017-12-21	An observation data was registered.

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MIRAI MR15-04 Radiosonde

Last Modified: 2018-01-13

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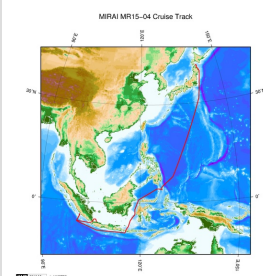
Radiosonde: Processed (DMO)-Corrected

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Radiosonde Corrected

No.	Column	Description	Format	Unit	Remarks
1	3 - 8	Atmospheric pressure	f6.1	hPa	
2	10 - 15	Air temperature	f6.1	deg-C	'9999.0' is missing value.
3	17 - 22	Dew point temperature	f6.1	deg-C	'9999.0' is missing value.
4	24 - 27	Relative humidity	i4	%	'9999' is missing value.
5	29 - 34	Wind speed (zonal)	f6.1	m/sec	'9999.0' is missing value.
6	36 - 41	Wind speed (meridional)	f6.1	m/sec	'9999.0' is missing value.
7	44 - 48	Height (from sea level)	i5	m	'99999' is missing value.
8	49 - 50	Terminator	a2		CR+LF

Related Information



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MR15-04

Ship Name: MIRAI

Period: 2015-11-05 - 2015-12-20

Chief Scientist: Masaki Katsumata (JAMSTEC)

Proposal ▶ Observational study of the heavy rain zone in the tropical eastern Indian ocean

Title:

Update History

2018-01-13	An observation data was registered.
2017-12-21	An observation data was registered.

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Last Modified: 2018-01-13

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Radiosonde: Processed (DMO)-Corrected

Data Policy: [JAMSTEC](#)

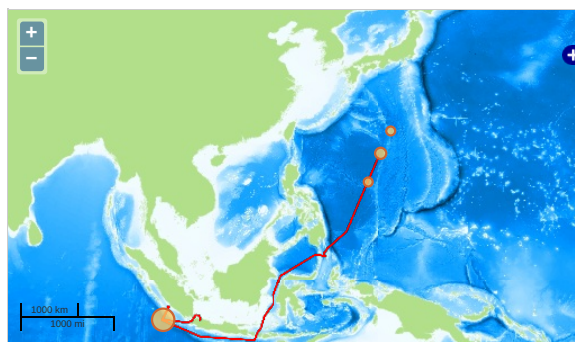
Observation Items: Atmospheric pressure, Air temperature, Dew point temperature, Relative humidity, Wind speed (zonal, meridional), Height

Science Keywords:

ATMOSPHERE > ATMOSPHERIC WATER VAPOR > DEW POINT TEMPERATURE
ATMOSPHERE > ATMOSPHERIC WATER VAPOR > HUMIDITY
ATMOSPHERE > ATMOSPHERIC TEMPERATURE > TEMPERATURE PROFILES
ATMOSPHERE > ATMOSPHERIC WINDS > UPPER LEVEL WINDS
ATMOSPHERE > ATMOSPHERIC WINDS > WIND PROFILES

Observation Map

- Clicking the icon displays a balloon with observation information.
- Then click the observation name, figures will be displayed.

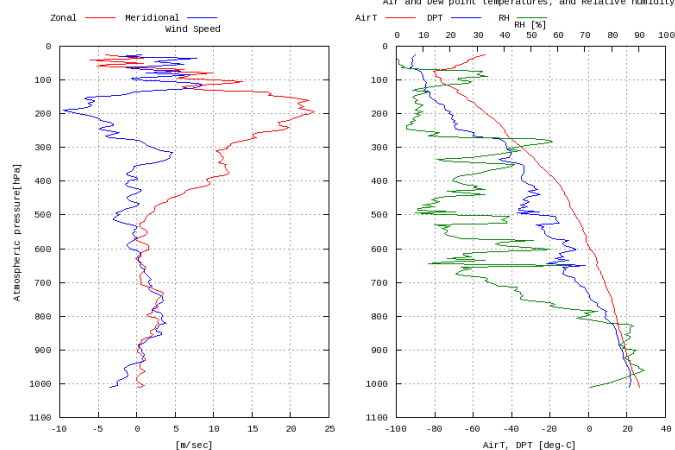


— ... Observation Line — ... Navigation ● ... Observation, Dive Point, Hole

Figures

15111006

MR15-04: 15111006
Radiosonde



Data List

☐ File names

☐ 15111006.dat

☐ 15111101.dat

☐ 15111106.dat

☐ 15111201.dat

☐ 15112100.dat

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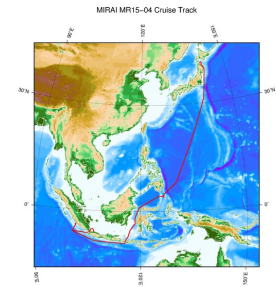
☐ 15112203.dat

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Related Information



 [Enlarge Image](#)

MR15-04
Ship Name: MIRAI
Period: 2015-11-05 - 2015-12-20
Chief Scientist: Masaki Katsumata (JAMSTEC)
Proposal ▶ Observational study of the heavy rain zone in the tropical eastern Indian ocean
Title:

Update History

2018-01-13	An observation data was registerd.
2017-12-21	An observation data was registerd.

JAMSTEC

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Privacy Policy
Application for Data and
Samples
Data Policy

What's New

Update History
Feeds

Lists

Publication List
Amount of Public Info.

Data

Map Search
Data Tree
Detailed Search

Information of the Ships

NATSUSHIMA
KAIYO
YOKOSUKA
MIRAI
KAIREI
CHIKYU
KAIMEI
SHINSEI MARU
HAKUHO MARU

Information of the Submersibles

KAIKO
SHINKAI 2000
SHINKAI 6500
DEEP TOW
HYPER-DOLPHIN
URASHIMA
YOKOSUKA DEEP TOW
6K Camera DEEP TOW
6K Sonar DEEP TOW
KM-ROV
POWER GRAB SAMPLER
(SHELL)
POWER GRAB SAMPLER
(CLOW)
BMS

Go to a Cruise Information

Cruise ID:

Go to a Dive Information

Dive ID:

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